

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
4 August 2005 (04.08.2005)

PCT

(10) International Publication Number  
**WO 2005/070847 A1**

(51) International Patent Classification<sup>7</sup>: **C04B 18/10**

(21) International Application Number:  
PCT/GB2005/000134

(22) International Filing Date: 20 January 2005 (20.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0401561.6 24 January 2004 (24.01.2004) GB

(71) Applicant (for all designated States except US): **VEOLIA WATER INDUSTRIAL OUTSOURCING LIMITED** [GB/GB]; Blackwell House, Three Valleys Way, Bushey, Herts WD23 2LD (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HARRISON, David** [GB/GB]; Veolia Water Industrial Outsourcing Limited, Blackwell House, Three Valleys Way, Bushey, Herts WD23 2LD (GB). **ROBERTSON, Robert** [GB/GB]; 5 Tavistock Close, Tamworth, Staffs BT9 8TJ (GB).

(74) Agent: **MURGITROYD & COMPANY**; 165-169 Scotland Street, Glasgow G5 8PL (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR PARTICULATE MATERIAL

(57) Abstract: A process for preparing a particulate solid material comprising the steps of: (a) obtaining a paper-fibre waste solid material having a ratio of china clay, or equivalent, to chalk, or equivalent, greater than a pre-determined minimum; (b) treating the material to reduce the moisture content and form a granular material; and (c) calcining the granular material at a temperature of approximately 1300°C or higher to provide a particulate, 100% solids, material. The present invention provides an eco-friendly method of using a significant waste product, that is currently simply deposited in landfill sites or spread on land. The process produces a material which is usable in a number of industrial applications, thereby not only increasing the recyclability of waste papers, but provided a beneficial product.



**WO 2005/070847 A1**